

# Converting Colors

$Yxy(48.9970, 0.3156, 0.4140)$

Have a look what the booklet for  
Yxy(48.9970, 0.3156, 0.4140)  
contains.

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# Color

**Yxy(49.0068, 0.3155, 0.4145)**

# Conversions

## Conversions Part 1

Format	Color
Hex	94C78B
RGB	148, 199, 139
RGB Percent	58%, 78%, 55%
CMY	0.4195, 0.2196, 0.4549
CMYK	0.26, 0.00, 0.30, 0.22
HSL	111°, 35%, 66%
HSV	111°, 30%, 78%
XYZ	37.3019, 49.0068, 31.9224
YIQ	176.9110, -11.1360, -29.4720

# Conversions

## Conversions Part 2

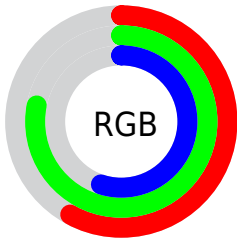
<b>Format</b>	<b>Color</b>
<b>RYB</b>	139, 199, 190
Decimal	9750411
CIELab	75.46, -28.13, 24.82
CIElCh	75, 37.514, 138.582
Yxy	49.0068, 0.3155, 0.4145
Android (android.graphics.Color)	4287940491 (0xFF94C78B)
YUV	176.9110, -18.6901, -25.3549
Hunter-Lab	70.0049, -27.3952, 21.9670

# Details

The Yxy color **49.0068, 0.3155, 0.4145** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **33.5344, 0.3073, 0.2528**, and the grayscale version is **44.0267, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.0668, 0.3156, 0.3970**, and **23.4422, 0.3151, 0.4421** is the 20% darker color. If you saturate the color by 10%, you get **47.0156, 0.3157, 0.4479**, and if you desaturate by 10%, it is **51.3383, 0.3148, 0.3832**.

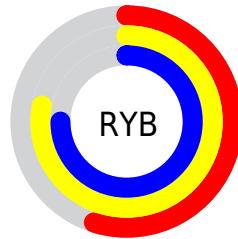
# Distribution



Red (58%)

Green (78%)

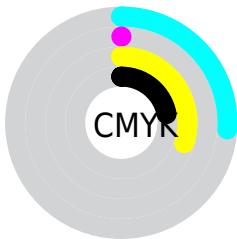
Blue (55%)



Red (55%)

Yellow (78%)

Blue (75%)

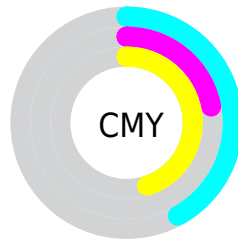


Cyan (26%)

Magenta (0%)

Yellow (30%)

Black (22%)



Cyan (42%)

Magenta (22%)


Yellow (45%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 49.0068, 0.3155, 0.4145 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 49.0068, 0.3155, 0.4145 by changing the saturation by 10% instead.





 49.0068, 0.3155,  
0.4145


 49.0068, 0.3155,  
0.4145

382.7691, 0.3152,  
0.3702


 34.6249, 0.3152,  
0.4260


 88.7016, 0.3157,  
0.3981

 23.3741, 0.3145,  
0.4410


 114.7832, 0.3157,  
0.3920

 14.8700, 0.3131,  
0.4613


 145.5335, 0.3156,  
0.3869

 8.7282, 0.3102,  
0.4903

181.3369, 0.3156,  
0.3826

 4.5643, 0.3038,  
0.5344

222.5777, 0.3155,  
0.3788

 1.9940, 0.3078,  
0.6505

269.6404, 0.3154,

 0.6040, 0.0000,

0.3756

1.0000

322.9094, 0.3153,  
0.3727

0.0000, 0.0000,  
0.0000

49.0068, 0.3155,  
0.4145

49.0068, 0.3155,  
0.4145

47.0156, 0.3157,  
0.4479

51.3383, 0.3148,  
0.3832

45.3427, 0.3153,  
0.4821

54.0185, 0.3139,  
0.3548

43.9734, 0.3142,  
0.5154


57.0632, 0.3127,  
0.3293


42.8889, 0.3124,  
0.5454


60.4855, 0.3115,  
0.3070


42.0688, 0.3099,  
0.5698

64.2978, 0.3102,  
0.2874

 41.4893, 0.3069,  
0.5869

 68.2903, 0.3112,  
0.2735

 41.1203, 0.3041,  
0.5967

 69.3250, 0.3153,  
0.2742

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



49.0068, 0.3653, 0.4215



49.0068, 0.3155, 0.4145



49.0068, 0.2673, 0.3773

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



49.0068, 0.3155, 0.4145



49.0068, 0.2279, 0.2538



49.0068, 0.3984, 0.3235

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



49.0068, 0.3155, 0.4145



33.5344, 0.3073, 0.2528

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



49.0068, 0.3557, 0.2864



49.0068, 0.3155, 0.4145



49.0068, 0.2571, 0.2473

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



49.0068, 0.3155, 0.4145



49.0068, 0.2194, 0.2806



49.0068, 0.3030, 0.2593



49.0068, 0.4158, 0.3643



# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



49.0068, 0.3155, 0.4145



49.0068, 0.2424, 0.3430



49.0068, 0.3030, 0.2593



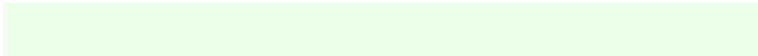
49.0068, 0.3864, 0.3104

# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



49.0089, 0.3155, 0.4145



95.0972, 0.3138, 0.3520



50.4004, 0.3611, 0.3922



20.1959, 0.3139, 0.3560



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

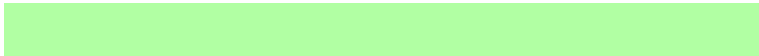


# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



49.0089, 0.3155, 0.4145



83.5207, 0.3157, 0.4356



48.8382, 0.2953, 0.3863



11.9632, 0.3138, 0.3527



26.4666, 0.3047, 0.5963



1.2783, 0.3164, 0.5870



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



33.5344, 0.3073, 0.2528



52.2184, 0.3057, 0.2364



33.8644, 0.3359, 0.2780



10.7326, 0.3114, 0.3061



8.1092, 0.2835, 0.1335



0.4065, 0.2918, 0.1381



# Previews

## White Background



This preview shows how the Yxy color 49.0068, 0.3155, 0.4145 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 49.0068, 0.3155, 0.4145 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

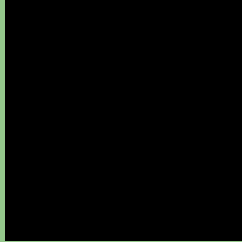
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

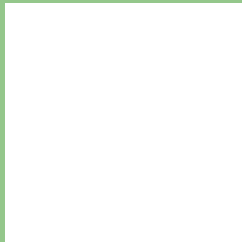
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 49.0068, 0.3155, 0.4145**

## Background



This preview shows how black text looks on a background with the Yxy color 49.0068, 0.3155, 0.4145.



This preview shows how white text looks on a background with the Yxy color 49.0068, 0.3155, 0.4145.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

49.0068, 0.3155, 0.4145

### Protanopia

48.5335, 0.3674, 0.3951

### Deuteranopia

48.6061, 0.3774, 0.3701



## Tritanopia

48.6541, 0.2776, 0.3080

# Trichromacy



**Original Color**

49.0068, 0.3155, 0.4145

**Protanomaly**

48.2795, 0.3469, 0.4025

**Deuteranomaly**

48.2773, 0.3533, 0.3861

**Tritanomaly**

48.4859, 0.2911, 0.3439

# Monochromacy



**Original Color**

49.0068, 0.3155, 0.4145

**Achromatopsia**

43.9657, 0.3127, 0.3290

**Achromatomaly**

45.4493, 0.3138, 0.3594

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 49.0068, 0.3155, 0.4145 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(148, 199, 139)` looks like.

```
.text, #text, p{  
    color:rgb(148, 199, 139)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(148, 199, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 199, 139) }
```

## Border

The CSS property to change the border of an element to Yxy 49.0068, 0.3155, 0.4145 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(148, 199, 139) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(148, 199, 139) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(148, 199, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 199, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 199, 139);  
box-shadow:4px 4px 4px 4px rgb(148, 199,  
139) }
```



# Background

The CSS property to change the background color of an element to Yxy 49.0068, 0.3155, 0.4145 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 199, 139) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(148,  
199, 139) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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